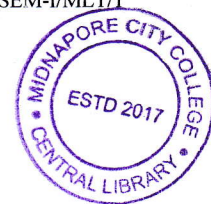


PG CBCS
M.Sc. Semester-I Examination, 2022
MLT
PAPER: MLT 195 (PRACTICAL)
(PHYSIOLOGY AND HAEMATOLOGY LAB)



Full Marks: 50

Time: 2 Hours

GROUP-A

Perform anyone of the following:

25 X 1=25

- 1) Determine the resting blood pressure and blood pressure after exercise by Harvard step-test and identify the recovery period. (Perform the test: 15, write the procedure:5 and draw the inference:5)
- 2) Perform the differential count of the supplied blood sample. (blood film preparation and staining: 8, counting: 8, writing procedure:4, inference: 5)
- 3) Draw the blood by venipuncture and determine the ESR of that sample. (Collection of blood: 10; Performing ESR:8, writing the procedure:5 and inference on ESR:2).

GROUP-B

Perform anyone of the following:

- 4) Determine the total RBC count by haemocytometer. (Perform the tests: 7, calculation:5, inference: 3).
- 5) Determine the pulse rate and breathing rate of the subject. (Perform the tests: 7, Data writing : 5, Inference: 3).
- 6) Estimate the Hb concentration from the supplied blood sample. (Perform the tests: 8, Result writing : 5, Inference: 2).
- 7) Viva-voce: 07
- 8) Laboratory record submission: 03